

PLUS

5/12/04

**Butler, Douglas**

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**From:** PLUS  
**Sent:** Tuesday, April 27, 2004 8:52 AM  
**To:** Butler, Douglas  
**Subject:** PLUS Results for 09737015

Here are the PLUS search results for 09737015.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to PLUS@uspto.gov.



09737015\_QUAL.txt



09737015\_LIST.txt



09737015\_WEST.txt



09737015\_EAST.txt



09737015.east



09737015\_CLS.txt



09737015\_CLSTITLES.txt



09737015\_WDS.txt

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## 09737015\_LIST

PLUS Search Results for S/N 09737015, Searched April 27, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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5286209	5852522	4776598
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09737015\_CLS  
Most Frequently Occurring Classifications of Patents Returned  
From A Search of 09737015 on April 27, 2004

Original Classifications

4 216/24  
3 369/291  
2 128/830  
2 200/344  
2 221/24  
2 360/99.04  
2 369/30.7

Cross-Reference Classifications

4 216/33  
4 369/270  
4 369/271  
3 101/93.05  
3 360/99.05  
2 74/89.17  
2 128/834  
2 216/41  
2 216/52  
2 221/310  
2 257/E21.504  
2 257/E23.124  
2 343/702  
2 360/291.8  
2 360/99.04  
2 372/46

Combined Classifications

4 216/24  
4 216/33  
4 360/99.04  
4 360/99.05  
4 369/270  
4 369/271  
4 369/291  
3 101/93.05  
2 74/89.17  
2 123/509  
2 123/90.17  
2 128/830  
2 128/834  
2 200/344  
2 200/5A  
2 216/41  
2 216/52  
2 221/24  
2 221/310  
2 257/E21.504  
2 257/E23.124  
2 343/702  
2 345/441  
2 360/291.8  
2 360/77.16  
2 369/30.7  
2 372/46

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2 399/111  
2 429/100

## 09737015\_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 09737015 on April 27, 2004

4 216/24 (4 OR, 0 XR)  
Class 216 : ETCHING A SUBSTRATE: PROCESSES  
216/24 FORMING OR TREATING OPTICAL ARTICLE

4 216/33 (0 OR, 4 XR)  
Class 216 : ETCHING A SUBSTRATE: PROCESSES  
216/33 ADHESIVE OR AUTOGENOUS BONDING OF TWO OR MORE  
SELF-SUSTAINING PREFORMS WHEREIN AT LEAST TWO OF THE  
PREFORMS ARE NOT INTENDED TO BE REMOVED (E.G.,  
PREFABRICATED BASE, ETC.)

4 360/99.04 (2 OR, 2 XR)  
Class 360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR  
RETRIEVAL  
360/88 RECORD TRANSPORT WITH HEAD STATIONARY DURING  
TRANSDUCING  
360/97.01 .Disk record  
360/99.01 ..Flexible disk  
360/99.04 ...Rotational drive detail

4 360/99.05 (1 OR, 3 XR)  
Class 360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR  
RETRIEVAL  
360/88 RECORD TRANSPORT WITH HEAD STATIONARY DURING  
TRANSDUCING  
360/97.01 .Disk record  
360/99.01 ..Flexible disk  
360/99.05 ...Disk seating

4 369/270 (0 OR, 4 XR)  
Class 369 : DYNAMIC INFORMATION STORAGE OR RETRIEVAL  
369/176 DYNAMIC MECHANISM SUBSYSTEM  
369/258 .Specific detail of storage medium support or  
motion production  
369/264 ..Turntable  
369/270 ...Disc holding or locating (e.g., spindle  
structure)

4 369/271 (0 OR, 4 XR)  
Class 369 : DYNAMIC INFORMATION STORAGE OR RETRIEVAL  
369/176 DYNAMIC MECHANISM SUBSYSTEM  
369/258 .Specific detail of storage medium support or  
motion production  
369/264 ..Turntable  
369/270 ...Disc holding or locating (e.g., spindle  
structure)  
369/271 ....With detail of storage medium contact  
structure on turntable surface

4 369/291 (3 OR, 1 XR)  
Class 369 : DYNAMIC INFORMATION STORAGE OR RETRIEVAL  
369/272 STORAGE MEDIUM STRUCTURE  
369/289 .Adjuncts or adapters  
369/291 ..Protectors



## 09737015\_CLSTITLES

- 3 101/93.05 (0 OR, 3 XR)  
 Class 101 : PRINTING  
 101/45 SELECTIVE OR PROGRESSIVE  
 101/93 .Bed and platen machines  
 101/93.04 ..Segmented print character printers (e.g., dots, etc.)  
 101/93.05 ...Wire
- 2 74/89.17 (0 OR, 2 XR)  
 Class 074 : MACHINE ELEMENT OR MECHANISM  
 74/840 ROTARY DRIVEN DEVICE ADJUSTABLE DURING OPERATION RELATIVE TO ITS SUPPORTING STRUCTURE  
 74/89 .Reciprocating or oscillating to or from alternating rotary  
 74/89.16 ..Including spur gear  
 74/89.17 ...With rack
- 2 123/509 (1 OR, 1 XR)  
 Class 123 : INTERNAL-COMBUSTION ENGINES  
 123/434 CHARGE FORMING DEVICE (E.G., POLLUTION CONTROL)  
 123/495 .With fuel pump  
 123/509 ..Specific location or mounting of pump
- 2 123/90.17 (1 OR, 1 XR)  
 Class 123 : INTERNAL-COMBUSTION ENGINES  
 123/90.1 POPPET VALVE OPERATING MECHANISM  
 123/90.15 .With means for varying timing  
 123/90.17 ..Camshaft or cam characteristics
- 2 128/830 (2 OR, 0 XR)  
 Class 128 : SURGERY  
 128/830 FEMALE REPRODUCTORY TRACT SHIELDS, SUPPORTS, OR BIRTH CONTROL DEVICES (E.G., PESSARIES, CONTRACEPTIVE DEVICES)
- 2 128/834 (0 OR, 2 XR)  
 Class 128 : SURGERY  
 128/830 FEMALE REPRODUCTORY TRACT SHIELDS, SUPPORTS, OR BIRTH CONTROL DEVICES (E.G., PESSARIES, CONTRACEPTIVE DEVICES)  
 128/834 .Pessaries
- 2 200/344 (2 OR, 0 XR)  
 Class 200 : ELECTRICITY: CIRCUIT MAKERS AND BREAKERS  
 200/237 ELECTRIC SWITCH DETAILS  
 200/329 .Actuators  
 200/341 ..Push button  
 200/344 ...Mechanism to keep key level
- 2 200/5A (1 OR, 1 XR)  
 Class 200 : ELECTRICITY: CIRCUIT MAKERS AND BREAKERS  
 200/1R MULTIPLE CIRCUIT CONTROL  
 200/5R .Multiple switch  
 200/5A ..With independent operators
- 2 216/41 (0 OR, 2 XR)  
 Class 216 : ETCHING A SUBSTRATE: PROCESSES  
 216/41 MASKING OF A SUBSTRATE USING MATERIAL RESISTANT

09737015\_CLSTITLES  
TO AN ETCHANT (I.E., ETCH RESIST)

- 2 216/52 (0 OR, 2 XR)  
Class 216 : ETCHING A SUBSTRATE: PROCESSES  
216/52 MECHANICALLY SHAPING, DEFORMING, OR ABRADING OF  
SUBSTRATE
- 2 221/24 (2 OR, 0 XR)  
Class 221 : ARTICLE DISPENSING  
221/24 SIMULATIONS
- 2 221/310 (0 OR, 2 XR)  
Class 221 : ARTICLE DISPENSING  
221/303 WITH DISPENSING-TYPE OUTLET  
221/307 .Resilient  
221/310 ..Plural spring biased or resilient fingers
- 2 257/E21.504 (0 OR, 2 XR)  
Class 257 : ACTIVE SOLID-STATE DEVICES  
257/E21.001 PROCESSES OR APPARATUS ADAPTED FOR MANUFACTURE  
OR TREATMENT OF SEMICONDUCTOR OR SOLID-STATE DEVICES
- OR OF
- 257/E21.002 PARTS THEREOF (EPO)  
.Manufacture or treatment of semiconductor  
device (EPO)
- 257/E21.04 ..Device having at least one potential-jump  
barrier or surface barrier, e.g., PN junction, depleti
- on
- 257/E21.499 layer, carrier concentration layer (EPO)  
...Assembling semiconductor devices, e.g.,  
packaging , including mounting, encapsulating, or treat
- ment
- 257/E21.502 of packaged semiconductor (EPO)  
....Encapsulation, e.g., encapsulation layer,  
coating (EPO)
- 257/E21.504 .....Moulds (EPO)
- 2 257/E23.124 (0 OR, 2 XR)  
Class 257 : ACTIVE SOLID-STATE DEVICES  
257/E23.113 ....Ceramic materials or glass (EPO)  
257/E23.116 .Encapsulations, e.g., encapsulating layers,  
coatings, e.g., for protection (EPO)  
257/E23.123 ..Characterized by arrangement or shape (EPO)  
257/E23.124 ...Device being completely enclosed (EPO)
- 2 343/702 (0 OR, 2 XR)  
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS  
343/702 .With radio cabinet
- 2 345/441 (1 OR, 1 XR)  
Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
SYSTEMS  
345/418 COMPUTER GRAPHICS PROCESSING  
345/441 .Shape generating
- 2 360/291.8 (0 OR, 2 XR)

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Class 360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR RETRIEVAL

360/240 HEAD MOUNTING

360/290 .For adjusting head position

360/291 ..Tape record

360/291.4 ...Rotary head

360/291.6 ....Adjustable head mount

360/291.8 .....Adjuster coil detail

2 360/77.16 (1 OR, 1 XR)

Class 360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR RETRIEVAL

360/69 AUTOMATIC CONTROL OF A RECORDER MECHANISM

360/75 .Controlling the head

360/77.01 ..Track centering

360/77.12 ...Elongated web carrier (i.e., tape)

360/77.13 ....Transverse scan path

360/77.16 .....Having head deflection drive (e.g., piezoelectric bimorph)

2 369/30.7 (2 OR, 0 XR)

Class 369 : DYNAMIC INFORMATION STORAGE OR RETRIEVAL

369/24.01 INFORMATION LOCATION OR REMOTE OPERATOR ACTUATED CONTROL

369/30.01 .Selective addressing of storage medium (e.g., programmed access)

369/30.03 ..Of optical storage medium

369/30.64 ...Plural optical storage media in disc changer

369/30.65 ....Plural media are discs stored in cartridges

369/30.7 .....Having particular internal transfer mechanism for transferring disc while disc is inside of disc changer

2 372/46 (0 OR, 2 XR)

Class 372 : COHERENT LIGHT GENERATORS

372/39 PARTICULAR ACTIVE MEDIA

372/43 .Semiconductor

372/44 ..Injection

372/46 ...Particular current control structure

2 399/111 (1 OR, 1 XR)

Class 399 : ELECTROPHOTOGRAPHY

399/107 HAVING PARTICULAR STRUCTURE

399/110 .Modular or displaceable

399/111 ..Process cartridge unit

2 429/100 (1 OR, 1 XR)

Class 429 : CHEMISTRY: ELECTRICAL CURRENT PRODUCING APPARATUS, PRODUCT, AND PROCESS

429/96 CELL SUPPORT FOR REMOVABLE CELL

429/100 .Support or holder per se